Amendments

In the Specification:

Please insert the following into the specification:

Please insert the sequence listing, pages 1-42, at the end of the application.

Please amend the specification as follows:

At page 11, lines 11-12, please delete the paragraph occurring at lines 11-12 and substitute the following paragraph therefore:

-- Figure 19. Comparison of the aspartokinase (*ask*) amino acid sequence from ATCC13032 (SEQ ID NO: 35), N13 (SEQ ID NO: 36) and ATCC21529 (SEQ ID NO: 2). The consensus sequence (SEQ ID NO: 37) is also shown.--

At page 47, line 12, please delete line 12 and substitute therefore:

-- *ask*: 5'-GGGTACCTCGCGAAGTAGCACCTGTCAC-3' (SEQ ID NO: 22);--.

At page 47, line 13, please delete line 13 and substitute therefore:

--*asd*: 5'-GCGGATCCCCCATCGCCCCTCAAAGA-3' (SEQ ID NO: 23);--.

At page 47, line 14, please delete line 14 and substitute therefore:

--*dapB*: 5'-AACGGGCGGTGAAGGGCAACT-3' (SEQ ID NO: 24);--.

At page 47, line 15, please delete line 15 and substitute therefore:

--*dapA*: 5'-TGAAAGACAGGGGTATCCAGA-3' (SEQ ID NO: 25);--.

At page 47, line 16, please delete line 16 and substitute therefore:

--*ddh*: 5'-CCATGGTACCAAGTGCGTGGCGAG-3' (SEQ ID NO: 26);--.

At page 47, line 17, please delete line 17 and substitute therefore:

a 7

--5'-CCATGGTACCACACTGTTTCCTTGC-3' (SEQ ID NO: 27);--.

At page 47, line 18, please delete line 18 and substitute therefore:

a 8

--*argS*: 5'-CTGGTTCCGGCGAGTGGAGCCGACCATTCCGCGAGG-3' (SEQ
ID NO: 28); and--.

At page 47, line 19, please delete line 19 and substitute therefore:

a 9

--*lysA*: 5'-CTCGCTCCGGCGAGGTCGGAGGCAACTTCTGCGACG-3' (SEQ
ID NO: 29), a--.

At page 57, line 20, please delete line 20 and insert therefore:

a 10

--*ask*: 5'-GGGTACCTCGCGAAGTAGCACCTGTCAC-3' (SEQ ID NO: 22)--.

At page 57, line 21, please delete line 21 and insert therefore:

a 11

--*asd*: 5'-GCGGATCCCCCATCGCCCCTCAAAGA-3' (SEQ ID NO: 23)--.

At page 57, line 22, please delete line 22 and insert therefore:

a 12

--*dapB*: 5'-AACGGGCGGTGAAGGGCAACT-3' (SEQ ID NO: 24)--.

At page 57, line 23, please delete line 23 and insert therefore:

a 13

--*dapA*: 5'-TGAAAGACAGGGGTATCCAGA-3' (SEQ ID NO: 25)--.

At page 57, line 24, please delete line 24 and insert therefore:

a 14

--*ddh*1: 5'-CCAT<u>GGTACC</u>AAGTGCGTGGCGAG-3' (SEQ ID NO: 26)--.

At page 57, line 25, please delete line 25 and insert therefore:

a 15

--*ddh*2: 5'-CCAT<u>GGTACC</u>ACACTGTTTCCTTGC-3' (SEQ ID NO: 27) Kpn I
sites:GGTACC (SEQ ID NO: 30)--.

- 4 -

Hanke *et al.*
Appl. No. 09/722,441

At page 57, line 26, please delete line 26 and insert therefore:

a16 --*argS*: 5'-CTGGTTCCGGCGAGTGGAGCCGACCATTCCGCGAGG-3' (SEQ
ID NO: 28)--.

At page 57, line 27, please delete line 27 and insert therefore:

a17 --*lysA*: 5'-CTCGCTCCGGCGAGGTCGGAGGCAACTTCTGCGACG-3' (SEQ
ID NO: 29)--.

At page 58, line 3, please delete line 3 and insert therefore:

a18 --UCdraI: 5'-GGATCTTCACCTAGATCC-3' (SEQ ID NO: 31)--.

At page 58, line 4, please delete line 4 and insert therefore:

a19 --UcsspI: 5'-CCCTGATAAATGCTTC-3' (SEQ ID NO: 32)--.

At page 64, line 2, please delete line 2 and insert therefore:

a20 --*lysA* (ATG): CCGGAGAAGATGTAACAATGGCTAC (SEQ ID NO: 33)--.

At page 64, line 3, please delete line 3 and insert therefore:

a21 --*LysA*3B: CCTCGACTGCAGACCCCTAGACACC (SEQ ID NO: 34)--.